

## Material Safety Data Sheet

Revision Date: 07/01/99 Previous Date: 11/16/98

MSDS#: MSOL901

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: None

PRODUCT NAME: EZ Mix Ashless 2-Cycle Oil  
Lubrication

COMPANY:  
OLYMPIC OIL, LTD.  
5000 W. 41<sup>st</sup> St.  
Cicero, IL 60804  
Phone: 708-458-8500  
M-F 6:00 A.M. - 4:30 P.M.

### 2. COMPOSITION INFORMATION ON INGREDIENTS

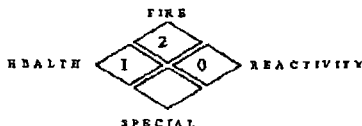
COMPONENT(S)	CAS#	EXPOSURE LIMITS	%WT (approx.)
Refined Petroleum Oil	64742-62-7	Oil Mist	
	64742-54-7	PEL(5mg/m <sup>3</sup> ) 8hrs.	75
	and/or	TLV(5mg/m <sup>3</sup> ) 8hrs.	
	64742-65-0	STEL(10mg/m <sup>3</sup> ) 15hrs.	
Ashless Dispersant	Mixture	Not Available	<15
Kerosene containing	8008-20-6	Not Established	<15
	91-20-3	OSHA PEL -10 ppm	
		STEL -15 ppm	
	1330-20-7	OSHA PEL - 100 ppm	
		STEL - 150 ppm	
		AGRH TWA -100 ppm	
		STEL -150 ppm	

(This may not be a complete list of components)

### 3. HAZARDS INFORMATION

**Hazard Rating:**

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant



#### 3.1 EMERGENCY OVERVIEW

May cause mild skin irritation and inflammation following extended contact!

Avoid skin contact

Wash thoroughly after handling

Used oil may be harmful to skin!

Laboratory studies sponsored by the American Petroleum Institute show that mice develop skin cancer following repeated application and continuous exposure to a used motor oil composite. Avoid skin contact with used motor oils. When contact occurs, wash promptly to remove. Get medical attention for any persistent skin problems.

#### POTENTIAL HEALTH EFFECTS:

**EYE:** Slight, but does not injure eye tissue.

**SKIN:** Mild skin irritation may occur upon short-term exposure

**INHALATION:** No significant adverse health effects are expected to occur under normal conditions of use. However, exposure to petroleum may be irritating to the nose, throat and lungs.

**INGESTION:** Minimal toxicity under normal conditions, but fatal if aspirated into lungs.

#### 3.2 POTENTIAL HEALTH EFFECTS

**CHRONIC (CANCER) INFORMATION:** See used oil warning 3.1

This product has not been tested for carcinogenic activity - But similar products pose weak carcinogenic activity in lab animals.

**TERATOLOGY (BIRTH DEFECT) INFORMATION:** None Known

REPRODUCTION INFORMATION: None Known

Product listed as carcinogen or potential carcinogen by: NTP: No, IARC: No,  
OSHA: No

#### **4. FIRST AID MEASURES**

##### **4.1 FIRST AID PROCEDURES**

**EYES:** Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting the eyelids. If pain or redness persists after flushing, obtain medical attention.

**SKIN.** Remove by wiping; then wash skin thoroughly with plenty of soap and water. Remove contaminated clothing and thoroughly clean before reuse. Discard contaminated leather gloves and shoes.

**INGESTION.** Do not induce vomiting, and obtain medical attention immediately.

**INHALATION:** Vaporization is not expected at ambient temperatures and this material is not expected to be an inhalation problem under anticipated conditions of use. In case of overexposure, move person to fresh air.

##### **4.2 NOTE TO PHYSICIANS**

Supportive care. Treatment based on judgment of the physician response to reactions of the patient. It is not expected to aggravate pre-existing respiratory conditions under normal condition of use.

#### **5. FIRE FIGHTING MEASURES**

##### **FLAMMABLE PROPERTIES:**

FLASH POINT: 248°F

METHOD: ASTM D92

##### **FLAMMABLE LIMITS:**

Lower Flammable Limit: Not determined

Upper Flammable Limit: Not determined

AUTOIGNITION TEMPERATURE: Not determined.

##### **HAZARDOUS COMBUSTION PRODUCTS:**

Burning or excessive heating may produce carbon monoxide and other harmful gases/vapors including oxides of nitrogen.

#### **EXTINGUISHING MEDIA:**

Dry chemical and carbon dioxide. Foam and water fog are effective, but may cause frothing.

#### **FIRE FIGHTING INSTRUCTIONS:**

**OSHA/NEPA COMBUSTIBLE LIQUID.** For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. If firefighters cannot work upwind to the fire, respiratory protective equipment must be worn. Cool tanks and containers exposed to fire with water.

### **6. ACCIDENTAL RELEASE MEASURES**

#### **SMALL SPILL:**

Absorb spill with an inert material (e.g., dry sand or earth), then place in a chemical waste container.

**LARGE SPILL:** Contain spill and prevent it from entering all water bodies, if possible. Safely stop flow of spill. Evacuate non-essential personnel from immediate spill area due to slipping hazards. In urban area, cleanup as soon as possible; in natural environments, cleanup on advice from ecologists. This material will float on water. Absorbent materials and pads can be used. Comply with all applicable laws. Spills may need to be reported to the National Response Center (800-424-8802).

### **7. HANDLING AND STORAGE**

#### **HANDLING:**

Keep away from heat, sparks and flame. Use of oil impervious gloves recommended.

#### **STORAGE:**

##### **KEEP OUT OF REACH OF CHILDREN!**

To avoid product degradation, water contamination should be avoided and minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures (GT 125°F) should be minimized. Product degradation might increase health hazard risks.

STORAGE TEMPERATURE: Ambient  
STORAGE PRESSURE: Atmospheric

### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

#### 8.1 ENGINEERING CONTROLS:

Use adequate ventilation to keep oil mists of this material below applicable Guideline(s)/standard(s).

#### 8.2 RESPIRATORY PROTECTION:

None is needed under anticipated use conditions with adequate ventilation. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA-approved respiratory equipment.

#### 8.3 SKIN PROTECTION:

Avoid prolonged and/or repeated skin contact, or wear impervious protective clothing. When leaving work, wash hands/exposed skin with soap and water.

#### 8.4 EYE PROTECTION:

Wear eye protection. In the likelihood of splashing or spraying, and especially if material is hot (Gf! 125°F), wear goggles and/or face shield. Eye wash water should be available. Hard contact lenses must not be worn.

### 9. PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

APPEARANCE:	<u>Blue</u>	BOILING POINT:	<u>&gt; 300°F</u>
ODOR:	<u>Slight Petroleum</u>	SOLUBILITY IN WATER:	<u>Negligible</u>
PHYSICAL STATE:	<u>Liquid</u>	SPECIFIC GRAVITY:	<u>0.87-0.88</u>
VAPOR PRESSURE:	<u>N/D</u>	VISCOSITY @ 40 °C (cSt):	<u>60.0-80.0</u>
VAPOR DENSITY:	<u>N/D</u>	PERCENT VOLATILE:	<u>Not known</u>

## **10. STABILITY AND REACTIVITY**

### **CHEMICAL STABILITY (CONDITIONS TO AVOID):**

STABLE - Avoid extreme heat and open flame.

### **INCOMPATIBILITY:**

Strong acids, alkalis and oxidizers such as liquid chlorine and oxygen.

### **HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon Monoxide and other harmful gases/vapors including oxides of nitrogen.

## **11. TOXICOLOGICAL INFORMATION**

### **EYE EFFECTS:**

Primary eye irritation score for Material such as Kerosene have ranged from 0.0 to 3.3/110 (rabbits)

### **SKIN EFFECTS:**

Mild skin irritation may occur upon short-term exposure -Products similar to Kerosene have produced scores ranging from 1.95 to 6.30/8.0 (rabbits).

### **ACUTE ORAL EFFECTS:**

For Kerosene LD 50 for similar to Kerosene was greater than 10g/Kg (rats)

### **ACUTE INHALATION EFFECTS:**

Inhalation LD 50 for material similar to Kerosene was greater than 6.4g/m<sup>3</sup> (rats)

### **CHRONIC EFFECTS/CARCINOGENICITY:**

Laboratory studies sponsored by the American Petroleum Institute show that mice develop skin cancer following repeated application and continuous exposure to a used motor oil composite. Avoid contact with used motor oils. Personnel with pre-existing skin disorders should avoid contact with this product.

### **MUTAGENICITY:**